

ABSTRACT OF THE DISCLOSURE

A wire electric discharge machine capable of preventing breakage of a wire and perform an automatic wire connection/extension process in machining a wall portion of a concave, a groove, a hole, etc. formed on the workpiece. A wire turning unit is attached to one of an upstream wire guide unit and a downstream wire guide unit. The wire turning unit has a first wire turning guide and a second wire turning guide. The first wire turning guide turns the wire fed from the upstream wire guide unit towards the second wire turning guide, and the second wire turning guide turns the wire towards the downstream wire guide unit. After aligning the upstream wire guide unit and the downstream wire guide unit, the wire is automatically connected therebetween. The upstream wire guide unit is moved such that the wire is successively caught by the first wire turning guide and the second wire turning guide. The number of turnings of the wire and thus a load exerted on the wire are reduced to lower possibility of breakage of the wire.